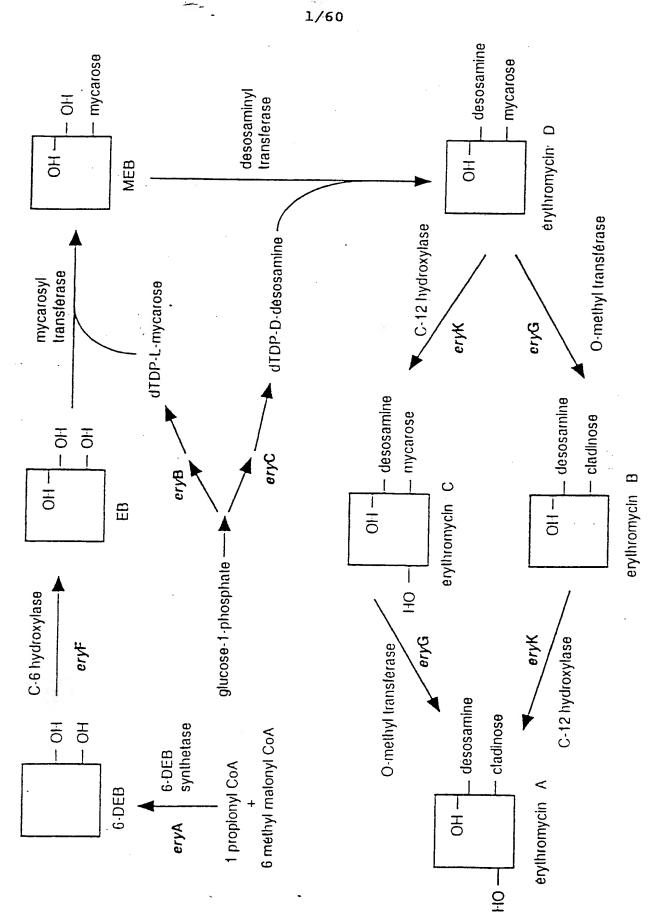
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PIGURE 1



				_	_	_
7969	8029	8089	8149	8209	8269	8329
CTGCT/CACGCTCACCAGCCGTATCC1/TTCTCGGT/TCC1/CT/FUTGCTCACTGCAACCAGG +++++	C'I'ICCGGCGCCGCGCGCGGAAGGCCACCGCGGGGAAGAITCTCGTCCAGITTCGGACAGCGG+	CCTGCTCGTCCAGGGTCATCGCGGACGCCTTCAGCGCGGAGTCGAGCTCGTCGGGGGTTC ++++++++	GCGGGCCGATGACGGCGCCGGCGATGCCGGGCCGGGACAGCACCCATGCGAGCCCCCACCT 8090 +++++++	CGGCCGGGTCTTCGCCGAGGTTGCGGCAGAACTTCTCGTAGGCCTCGATCGCCGGGCGCAAAAAAAA	GGGACGGCAACAGCACCTGCGCCCTGCGCCGAC'ITCACCGCGGTGCCCGCGGCCAAAACTGCCCGCGGCCCACGGCCCACGGCCCGCGCCACGGCCCGCGCCACGGCCCCGCGGTGCCCGCGTGAC'IGCCGGCCACGGCCCGCGTTGTCCTGGACGCCGGTGCCCGGGCCCGGGCCCGGTGCCCGGTGCCGGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGCCCGGTGCCCGGCCCGGTGCCCGGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGCCCGGTGCCCGGCCCGGTGCCCGGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGTGCCCGGCCCGGCCCGGTGCCCGGCCCGGTGCCCGGCCCGGCCCGGTGCCCGGCCCGGTGCCCGGCCCGGTGCCCGGCCCGCGCCCGGCCCGGTGCCCGGCCCGCGCCCGGTGCCCGCGCCCGCGCCCGGCCCGGCCCGCGCCCGCGCCCGCCCGCCCGCCCGCCCC	GCTTC'IYCCAGCGCTCCGCTGAAGCAGGCCGCCGTGCAGCGGCGACCCAGGCGAAAGACGCCGAA +++++++
7910	7970	8030	808	815	8210	8270

GCCCGTAGGCCTGCGCGGCGGCAGCACCTCCAGCTCGGCGTGCCGGGACCGCCAGGTTGT

GCATCCGACGCCCCCCTC G Y A Q A A P L GGCACTGGTGGAGACCATGCC +++ CCGTGACCACCCTCTGGTACGG L C Q H S V M G CGATGTGCCAGCCCGCGAAGTTV +++ GCTACACGGTCGGCGCTTCAA A I H W G A F N GGCTGTCCATGGCCTGCCACAC ++ CCGACACGGTCCGACGCTTCAA CCGACAGGTACCGGACGCTTCCAC CCCACACAGCTCCACCCCCCCCCC	CGGCATCGGACGCCCCCCCTCGTCGACGTCGAGCCGCCTCGCGGCTCCAACA L G Y A Q A P L V E L E A H R V A L N ACAGGCACTGGTGGAGACCATGCCCAGGAGTGGCGGCGGCGGCGCGCTTCTCCTGCGCGG +	CGGCGATGTGCCAGCCGGAAGTTCGACGAGCCGACGTAGGAGACCTTGCCGCTGGCGA +++	CGAGGCTGTCCATGGCCTGCCACACCTCGTCCCACGGCGGGACCGGTCGATGTGGTGCA 8510 +++	TCTGGTAGACGTCGATGTGGTCGACGCCCAGCCTGCGCAGCGATCCCTCGCAGGAGGCGA +	TGATGTGCCGCGCCGACAGCCCGCTGTCGTTGACGCGCTCGTCATCTCGCCGCCGCCGACCT +	
	SCATCGGACGCGCCCGTCGTUGA SYNON N P 1, V SGCACTGGTGGAGACCATGCCCAGGG	CGATGTGCCAGCCGCGAAGTTCGACG	GGCTGTCCATGGCCTGCCACACCTCGTC CCGACAGGTACCGGACGGTGTGGAGCA S D M A Q W V E	GGTAGACGTCGATGTGGTCGACGCCCA +	rGTGCCGCCGACAGCCCGCTGTCGT ++	TGGTCGCCAGCACGGTGTCCTCGCGCCGTCCGCCCTGGGCCAGCCA

GCGGTGTCGAGGCAGT	STCGTCCTCGACGCGTC	GCGGAACGCCCGAGCC	CTGCGGCCAGTTCCTC GACGCCGGTCAAGGAG GAAAAAAAAGAG	CGTCGCGCATCCGCGC 9049 GCAGCGCGTAGGCGCG D D R M R A	ACTCCCGGAGCTGGTC 9109 TGAGGGCCTCGACCAG SERLQD	CCTGCGTGCGCTGCGC
GCTCCTCGGTGTGGCCCTTTGTAGAGCCGCCAGCCGTACATGTCGGCGGTGTCGAGGCAGTT +	TGATGCCGCGGTCCCGGGCGTGGTCCATCAGGCGCAGCGCGTCGTCGTCCTCGACGCGTC ++++++++	CGCTGAAGTTCACCGTGCCGAGCCAGAGCCTGCTGGTGAGCAGCGCGGAACGCCCGAGCC ++++++++	GCACGTGCGTCGCGGCGTCGTCATCGTGGTTCTCTCCTTCCT	GCAGATGCCGACGACCTCGGCCGGTGACGGCTCCGCGAGCATGTCGTCGCGCATCCGCGC 8990 +++++++	CGCGCCGGCGGGTGGGCCGGGTCGTCGAGGACCCGGTTTCACCGACTCCCGGAGCTGGTC 9050 +++++++ GCGCGCCGCGC	GGGGGTCAGCTCGGGCACGGGCAGCGCGATCCCCGCCCGAATTCCTGCGTGCG
8750	8810	8870	8930	8990	9050	9110

.c - 9229 .G A	ic 9289 ig A	1G 9349 1C L	.e. 9409 .c. L.	9469 3T C	л 9529 лт Y	3C 9589 3G A
GCGCACGCCGGTGTCCCAGCCGTCGGCAGGATCACCTGCGGCACCCCGTGGATCGCCCGC +++++++	GGTGTGCCAGCTCCGGGTCCGCCGTGGTGCACCGTCGCCGCGCAGGTCGGCAGCAGCGC) ++++++++++ CCACACGGTCGAGGGCCCAGGCGCACCACGTGGCAGCGGCGCGCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCG	GTGCATCGGGACGAAGCCGACCGTGCGGACGTTGTCCGGGATGTTCGCGACGCCTTCTAG ++++++++	C'IGCTGCGCG'ICGAAGG'ICGCGA'IGA'IC'ICGGCG'ICGACGTCGCCGACGGCGCCCAGCAG ++++++++	CTCCTCGATGGAGACCTGCCCGATGCTGTTCTCGCGGCTGGAGATCCCGAGCGTGAGGCAAAAAAAA	CACGCGGCGGCGCTCGTCGTGCAGCCA!TCCGGCACCGGACGGCCCGTTGTA) ++++++++	GTCGACGTAGCGCATCCCGACGGTCTTCAGGCCGGTGTCGAGCCTGATCGCGGCCGGGGC 1 ++++++++
9170	9230	9290	9350	9410	9470	9530

9709 6916 9829 GGGGTCGATCGTCCACTGCCCGACGACCACCTCCTCGTCGAAGGCCGGGCCGCCGTACTT CCCAGCTAGCAGGTGACGGGCTGCTGGTGGAGGAGCAGCTTCCGGCCCGGCGGGATGAA CITCEAGCGITCEAGGIGAGCCACITCGGCGAGCGGGITCCITCCCGGTTCCTCCGGCTGGTTC SAGGICGCAGGICCACTCGGIGAGCCGCTCGCCCAGGAGGCCAACGAGGAGGCCGACCAG <u>GGCAGCAGCCGAGGAAGT1CTGCCGCGCCCGGG1GGTGA1GTCGGGTCCCCACAGCAG</u> CCGTCG1TCC1TCC1TCAAGACGCGGGGCCCACCACTACAGCCCAGGGG1G1CTCG1C SGCGCGCACGCCGCAAGGCCAGTGGCGGCGCGCTACCCGCGCGCCTTCCACTCGCCGAG GGTCTACTGGTCCAGCCCGGCGGTGAAGGCCGTCTTGCTCTGGTACGGAAGCTACTCGCA GICCGGGCTCATCAGGGCGTAGAAGGICGGGGIGAGCACGGTCIGCATGCCCAGCAGGTG GAGGGTCCAGTTCCACCCCCCAGGGCGAGCGACTTCAGGTCCGAGGCCTGCATCAGCTA CCGCGCGTGCGGCGTTCCGGTCACCGCCGCGCGATGGGCGCGGGCGAAGGTGAGCGGC CCAGATGACCAGGTCGGCCGCCACTICCGGCAGAACGAGACCATGCCIITCGATGAGCGT CAGGCCCGAGTAGTCCCGCATCTTCCAGCCCCCACTCGTGCCAGACGTACGGGTCGTCCAC CTCCCAGGTCAAGGTGGCGGGGTCCCGCTCGCTBAAGTCCAGGCTCCGGACGTAGTCGAT ഗ ئت ۲J < ы × < < × ~ < o **∡** Ø ပ I. D 3 9650 9710 9770

(9	GGAGGITCGGACGCCCCACCGGCGCIACACGCTGTCGCGCGCCAGCCGCCCCCCCCCC)) ;
20	CCTCCAGCCTGCCGGGGTGGCCGCGATGTGCCGACAGCGCGCGGTCGGCGTCGGGGCGGTC	02501
69	GTCCGGGCAGCGCCTTGGCCGCGCGCGCGGTGGCGGGGCGCGGGTGACCAGCTT +	10310
60	GGTTGGTTCCCCGCAGGACGGGTGATCGGCGGCGCCGGACCGGGCCGCTGGGCGTGA +	10250
4 9	GCTGGCCATGGAGGAGAAGACGACGCGCATCGCGGTTACCTCAGAGCTCGACGGGGCAGC ++++	10190
68	CTCGTGCCCCGCCGCGGAACGCCCCATCCGAGGGGGGGGG	10130
.29	GGCGGTCAGCCCGGCCGCGGTGATGTCCTCGGTGAGCGCCGGGGACGCGACCACGCGGAC +++	10070
69	GATGTCGTGGCCCGCGTGGGTCATGAAGTCCACGAGGTCGACGTGCCGACCGGGAC +++	10010

2

CCA 10430 + GGT D	CGTCGAGGCGGTCGGGCTCGGCGAAGACCTCCGGGTCGCGGGTTTGGACGCCGCGCGCG	10489
CGA(10490 + GCTV	CCACGACCTCCTCGCCGATCACGTCCTCGCCGAGCCGCACCTCTGCGGTGG GGTGCTGGAGGGGAAGCGGCTAGTGCACGAGCGGCTCGGCGTGAAGCCCACC V V E E G E G I V H E G L R V E A T	10549
10550	CCGTGCGCCGCTCCAGGTGCAATGCCGGGTGCAGGCGCAGCACCTCGGCGACGGTTCGCT+++++++	10609
10610	GCGCGGCGGCGGGGTCGTCGGCGATCCGTTCGGCCAGCCCCGGTTCGGCCGAGACGGCCA 10610 +	10669
10670	GGACCGCGTCGACCACGGTGTTCGCGGTCATCTCGGCCCCGGCGGCGCGCGC	10729
10730	CGGGGTCGGCGGCAGTGCCGCGACCGCTRCTTCGGTCACCGCGAGCTGCTGCGGGCTGA 10730 +	10789
10790	GCTGGGCGTCCAGGCTGACGCGGCGTCCCACGCGGCGCGCGC	10849

TCATCTGGAGCTGCCTGCCCAGCCCGGCGCGATCGGTCGTGGTCATGAATTC တ

FIGURE 2

		4361	LO				4	3630					43	650)		
TTI	GA	CAGG	rccgc	CAC	CGI	CCC		ACTC	GACG.	200.	ACGC	CAA				LATA	TAG
		4367	70				4	3690					43	710	1		
GAP	.GG	ATCAZ	AGAGO	TTG	ACA1	CGC	CTC	GTCG	AGCC.	AACC	32.20	CTC	TGA	ACA	TCI	GCA	TGT
		4373						3750						770			
TGA	CA	AGATO	CAACC	GCGC	CTA	CCI		GTGG	rggc(CAC	GTGA	CGC	GTT	GCC	GC.	CAT	CGC
		4379						3810					43	830			
GCI	GG(TTGA	LATT	TCG		GTAG	CACC	GACC	TGG	, A, A, A	'CCG	AGC	AAA	TGC	TCC
		4385						3870						890			
								TCAA					GGG	CGC	TTC	CGG	
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GGT	GGC		_	CGGG	CGG	ריים	_	CTGG	ر در عر		רב הי	کشت			CCA	ACC	CGZ
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		4415	0				4	4170	•	• •	-	_	-	190	- .	••	_
GCG	GG?	CAAC	GTCG	GCCI	GAT	GCA	.CGA	CCTC	TCG	GCGC	GCT	GCA	CGA	TCG	CCG	CAG	GTC
R	• ,	N	V G	L	M	H	D		7 G	2	Ŀ	H	Ð	_ R	R	R	S
	·	4421	.0	_			D 4	L V 4230	_	A.	_		D 44	R 250	R	R	S
	·	4421	.0	_			D 4	L V	_	A.	_		D 44	R 250	R	R	S
	·	4421	.0	TGCI			D 4	L V 4230	CACA	A _. NGGC	- :CGC		D 44	R 250	R	R	S
GAC T	GCC P	4421 GCCC P 4427	.0 GTGT V L	TGCI	CTA Y	.CGC A	D 4 GAG S 4	L V 4230 CACCO T P 4290	CACA Q	A, AGGC A	- CGC A	GAA . N	D 44 CCC P 44	R 250 GTC S 310	R GGC A	R GGC A	S CAG S
GAC T	GCC P	4421 GCCC P 4427	.0 GTGT V L	TGCI L AGAA	CTA Y .GAC	.CGC A	D 4 GAG S 4	L V 4230 CACCO T A 4290 CGAGO	CACA L Q IGCAT	A, AGGC A	- CGC A	GAA . N	D 44 CCC P 44	R 250 GTC S 310	R GGC A	R GGC	S CAG S
GAC T	GCC P GTP	4421 GCCC P 4427 ACGCG A	0 GTGT V L 0 CAGC	TGCI L AGAA	CTA Y	.CGC A	D GAG S 4 .GGC A	L V 4230 CACCO T A 4290 CGAGO E F	CACA L Q IGCAT	A, AGGC A	- CGC A	GAA . N	D 44 CCC P 44 AGC A	R 250 GTC S 310 CAC	R GGC A	R GGC A	S CAG S
GAC T CAG R	GCC P GTP - Y	4421 GCCC P 4427 ACGCG A 4433	0 GTGT V L 0 CAGC Q Q	TGCT L AGAA K	CTA Y .GAC T	CGC A CGA E	D 4 GAG S 4 GGC A 4	L \ 4230 CACCO T ? 4290 CGAGO E F 4350	CACA L Q CGCAT	A AGGO A COT L	CGC A YGCG R	GAA N CAA K	D 44 CCC P 44 AGC A44	R 250 GTC S 310 CAC T 370	R GGC A CGA D	R GGC A .CGA E	S CAG S GGG G
GAC T CAG R CCG	GCC P GTF Y GGT	4421 GCCC P 4427 ACGCG A 4433 GCGC	0 GTGT V L 0 CAGC Q Q 0	TGCT L AGAA K TGAT	CTA Y GAC T	CGC A CGA E	D GAG S 4 GGC A 4 GCT	L V 4230 T F 4290 CGAGO E F 4350 GCCC	CACA C C CCAT L I	A, AGGC A CCT L	- CGC: A CGC: R	GAA . N CAA K CCA	D 44 CCC P 44 AGC A 44 GAG	R 250 GTC S 310 CAC T 370 CGG	R GGC A CGA D	R GGC A CGA E GTC	S CAG S GGG G
GAC T CAG R	GCC P GTP - Y	4421 GGCCC P 4427 ACGCG A 4433 GGCGC	OGTGT V L OGCAGC Q Q OGGGCG	TGCT L AGAA K TGAT	CTA Y .GAC T	CGC A CGA E	D 4 GAG S 4 GGC A 4 GCT	L V 4230 CACCO T P 4290 CGAGO E P 4350 GCCCO	CACA C C CCAT L I	A AGGO A COT L	CGC A YGCG R	GAA N CAA K	D 44 CCC P 44 AGC A 44 GAG	R 250 GTC S 310 CAC T 370 CGG	R GGC A CGA D	R GGC A .CGA E	S CAG S GGG G
GAC T CAG R CCG R	GCC P GTF - Y GGT	4421 GCCC P 4427 ACGCG A 4433 GCGC R 4439	O GGGCG V 0	TGCT L AGAA K TGAT	CTA Y GAC T CCT L	CGC A CGA E GCG R	D 4 GAG S 4 GGC A 4 GCT L 4	L V 4230 CACCO T 3 4290 CGAGO E 5 4350 GCCCO P 3	SCACA L Q SGCAT L I SCCGT L V	A AGGC A CCTA CCTA Y	 2000: A 3000: R 3000: G	GAA . N CAA K CCA Q	D 4 4 C P 4 4 AGC A 4 4 G AG S 4 4	R 250 GTC S 310 CAC T 370 CGG 430	R GGC A CGA D CCC P	R GGC A .CGA E GTC S	S CAG S GGG G CGG
GAC T CAG R CCG R	GCC P GTA Y GGT V	4421 CGCCC P 4427 ACGCG A 4433 CGCGC R 4439	O GTGT V L O CAGC Q Q O GGCG G V O CGGGG	TGCT L AGAA K TGAT I	Y Y GAC T YCCT L	CGC A CGA E GCG R	D 4 GAG S 4 GGC A 4 GCT L 4 AGC	L V 4230 T P 4290 CGAGO E P 4350 GCCCO P P 4410 GATGP	GCACA COCAT COCAT COCAT V	A AGGC A CCTA CTA Y	CGC A GCG R CGG G	GAA N CAA K CCA Q CCT	D 444 CCC P 44 AGC A 44 GAG S 44 CGC	250 GTC S 310 CAC T 370 CGG 430 CGG	R GGC A CGA D CCC P	R GGC A CGA E GTC S GCC	S CAG S GGG G CGG G
GAC T CAG R CCG R	GCC P GTF - Y GGT	4421 CGCCC P 4427 ACGCG A 4433 CGCGC R 4439 CGGGG	O GTGT V L O CAGC Q Q O GGCG G V O CGGGG R G	TGCT L AGAA K TGAT I	CTA Y GAC T CCT L	CGC A CGA E GCG R	D 4 GAG S 4 GGC A 4 GCT L 4 AGC A	L V 4230 T P 4290 CGAGO E P 4350 GCCCO P P 4410 GATGP M I	GCACA COCAT COCAT COCAT V	A AGGC A CCTA CTA Y	CGC A GCG R CGG G	GAA N CAA K CCA Q CCT	D 444 COP 44 AGC A44 GAG 44C GAC A	250 GTC S 310 CAC 370 CGG 430 CGG	R GGC A CGA D CCC P	R GGC A .CGA E GTC S	S CAG S GGG G CGG
GAC T CAG R CCG R	GCC P GTP Y GGT V CAT	4421 CGCCC P 4427 ACGCG A 4433 CGCGC R 4439 CGGGG G 4445	O GTGT V L O CAGC Q Q O GGGCG G V O CGGGG R G	TGCT AGAA K TGAT I GCGT	ATCY Y OAGO T TCCT L TGGT V	CGC A CGA E GCG R CGC A	D 4 GAG S 4 GGC A 4 GCT L 4 AGC A 4	L V 4230 T P 4290 CGAGO E P 4350 GCCCO P P 4410 GATGP M I 4470	GCACA GCAT GCAT CCGT V V	A AGGO A POOT L Y Y AGGO R	CGC A GCG R CGG G TGC A	GAA CAA K CCA Q CCT L	D 4 4 C C P 4 4 C A A 4 A G A 4 A G C A 4 A G C A 4 A G C A 4 A G C A 4 A G C A 4 A G C A A A A	250 GTC 310 CAT 370 GG 430 430 490	R GGC A CGA CCC P CGA E	R GGC A CGA E GTC S GCC P	S CAG S GGG G CGG G GCT L
GAC T CAG R CCG R CCC	GCC P GTP Y GGT V CAT	4421 GGCCC P 4427 ACGCG A 4433 GGGGG R 4439 GGGGG G 4445 GGTGG	GTGTTV L CAGC Q Q GGGCG G V CCGGGG R G CCACG	TGCT L AGAA K TGAT I GCGT V ACGG	ATCY Y CACO T CCT L Y CCT V CCT OCT CCT CCT CCT CCT CCT CCT CCT CCT	CGC A CGA E CGC R CGC A	D 4 GAG S 4 GGC A 4 GCT 4 AGC A 4 GCG	L V 4230 T 3 4290 CGAGO E 5 4350 GCCCO GATGA M I 4470 CCGCO	FCACE COCK	A. AGGC A POCT L POTA Y AGCG R	2000 A 2000 B 2007 B 2000 A 2000	GAA CAA K CCA Q CCT L	D 440 C P 440 AGA 440 G A 440 C A 44A C C A 44A	250 GTC S10 CAC 370 GG 430 GGA 490 GGA	GGC A CGA E CGT	R GGC A CGA E GTC S GCC P	S CAG S GGG G G G G L CAC
GAC T CAG R CCG R	GCC P GTP Y GGT V CAT	4421 GGCCC P 4427 ACGCG A 4433 GGGGG R 4439 GGGGG G 4445 W	GTGTTV L CAGC Q Q GGGCG G V CCGGGG R G CCACG H D	TGCT L AGAA K TGAT I GCGT V ACGG	ATCY Y CACO T CCT L Y CCT V CCT OCT CCT CCT CCT CCT CCT CCT CCT CCT	CGC A CGA E CGC R CGC A	D 4 GAG S 4 GGC A 4 GCT AGC A 4 GCG R	L V 4230 T P 4290 CGAGO E P 4350 GCCC P 4410 GATGP M I 4470 CCGCG	FCACE COCK	A. AGGC A POCT L POTA Y AGCG R	2000 A 2000 B 2007 B 2000 A 2000	GAA CAA K CCA Q CCT L	D 440 D 440 AGA 440 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	R 250 GTC S10 370 430 430 490 490 490 490	R GGC A CGA CCC P CGA E	R GGC A CGA E GTC S GCC P	S CAG S GGG G CGG G CAC
GAC T CAG R CCG R CCC P CAC T	GCC P GTP Y GGC V CAT M	4421 CGCCC P 4427 ACGCG A 4433 CGCGG G 4445 CGTGG W 4451	O CAGGG R G CACG H D	TGCT AGAA K TGAT I GCGT V ACGG	CTA Y GAC T COT L GGT V GGG G	CGC A CGA E CGC R CGC A CGT	D 4 GAG A 4 GAG R 4	L V 4230 T F 4290 CGAGO E F 4350 GCC F 4410 GATGF 4470 CCGCG R I 4530	GCACA GCAT GCAT CCGGT V VTCCG R	A AGGC A COTA Y SGCG R COTA L	COCO A COCO R COCO COCO A COCO A	GAA CAA CCA Q CCT L CGT	D 4 C P 4 C A A A A G S 4 C C E 4 C C E 4 C C E 4 C C E 4 C C E 4 C C E 4 C C E 4 C C E A C C	R 25C S 0 C	R GGC A CGA D CCC P CGA E CGT V	R GGC A CGA E GTC S GCC P GGC A	S CAG S GGG G GGG G CAC T
GAC T CAG R CCG R CCC P CAC T	GCC P GTF Y GGC V CAT M CAT	4421 GGCCC P 4427 ACGCG A 4433 GGCG G 4445 GTGG W 4451 CCGCC	O CAGGGG R G CACG H D CGCCG	TGCT L AGAA K TGAT I GCGT V ACGG	ATOY Y CAC T T COT L T COT C T C C C C C C C C C C C C C C C	CGC A CGA E GCG R CGC A CGT V	D 4 GAG A 4 GAG R 4 GAA GAA GAA GAA GAA GAA GAA GAA GAA G	L V 4230 T P 4290 CGAGO E P O 4350 GAT P 4410 GAT P 4470 CCGCG R O 4530 CGACG	FCACA GCAT FCCGT ATCCG R FACCT FCCGCT	A AGGC A COTA Y AGGCG R COTA L COTA COTA COTA COTA COTA COTA COTA COTA	CGC A CGC R CGG CTGC A CGG	GAA N CAA K CCA Q CCT L CGT V	D 440 D 440 AGA 44G AGA 44G AGA 44G C E 440 C E 440	250 GTC S10 CAC 370 GGG 430 GGA 550 GTG	R GGC A CGA D CCC P CGA E CGT V GGC	R GGC A CGA E GTC S GCC P GGC A GCT	S CAG S GGG G G CT L CAC T GGG
GAC T CAG R CCG R CCC P CAC T	GCC P GTF Y GGC V CAT M CAT	4421 4427 4427 AGCG A 4433 GGGGG G 4445 GTGGG W 4451 CCGCC A	O CACGA A A	TGCT L AGAA K TGAT I GCGT V ACGG	ATOY Y CAC T T COT L T COT C T C C C C C C C C C C C C C C C	CGC A CGA E GCG R CGC A CGT V	D 4 GAG A 4 GAG R 4 A GAG H .	L V 4230 CACCO 4290 CGAGO 4350 GCCCO 4410 GATGA 4470 CGACO CGACO D	FCACA GCAT FCCGT ATCCG R FACCT FCCGCT	A AGGC A COTA Y AGGCG R COTA L COTA COTA COTA COTA COTA COTA COTA COTA	CGC A CGC R CGG CTGC A CGG	GAA N CAA K CCA Q CCT L CGT V	D 40	R 250 S10 S10 T70 G43G 43G 43G 43G 55G W	R GGC A CGA D CCC P CGA E CGT V GGC	R GGC A CGA E GTC S GCC P GGC A	S CAG S GGG G G CT L CAC T GGG
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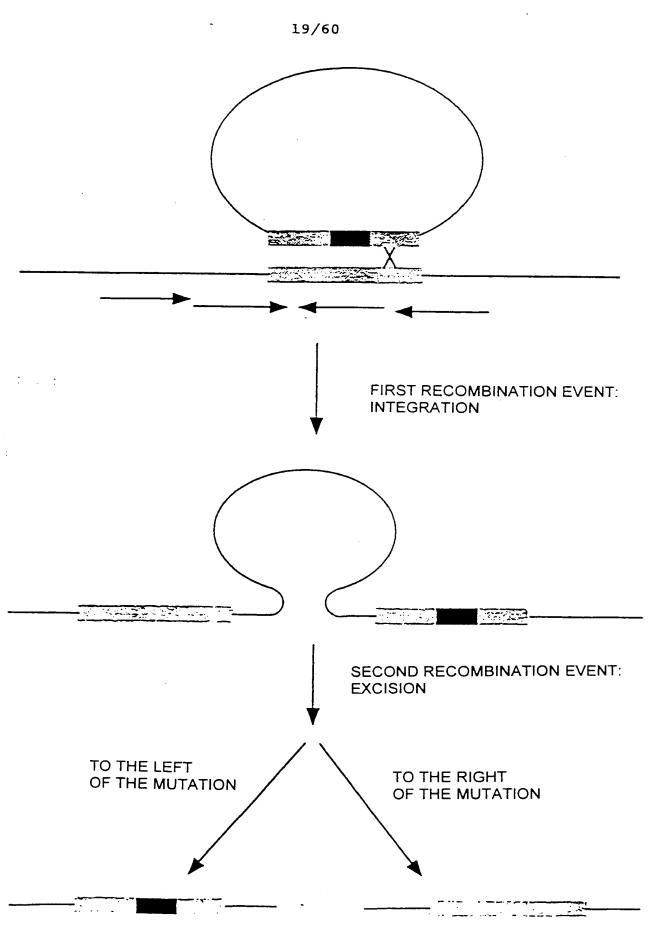
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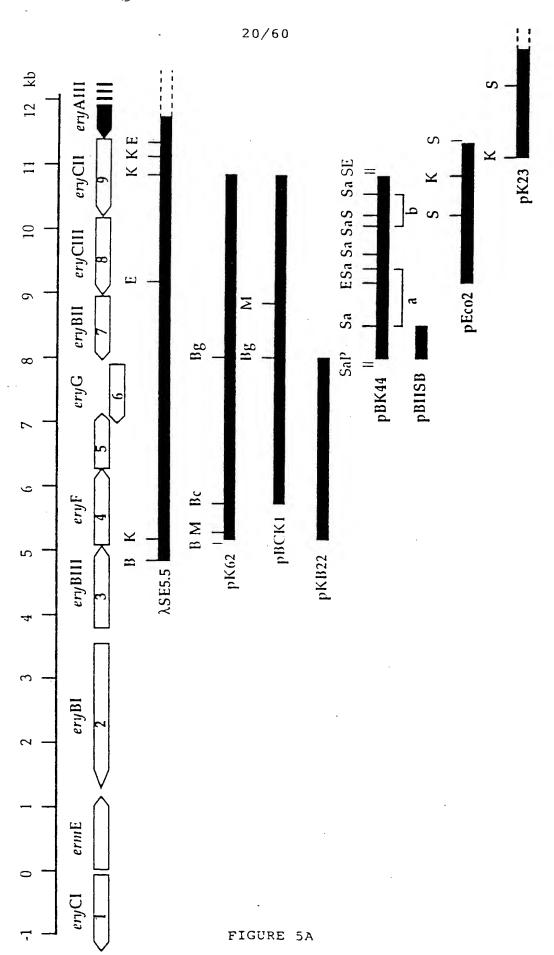
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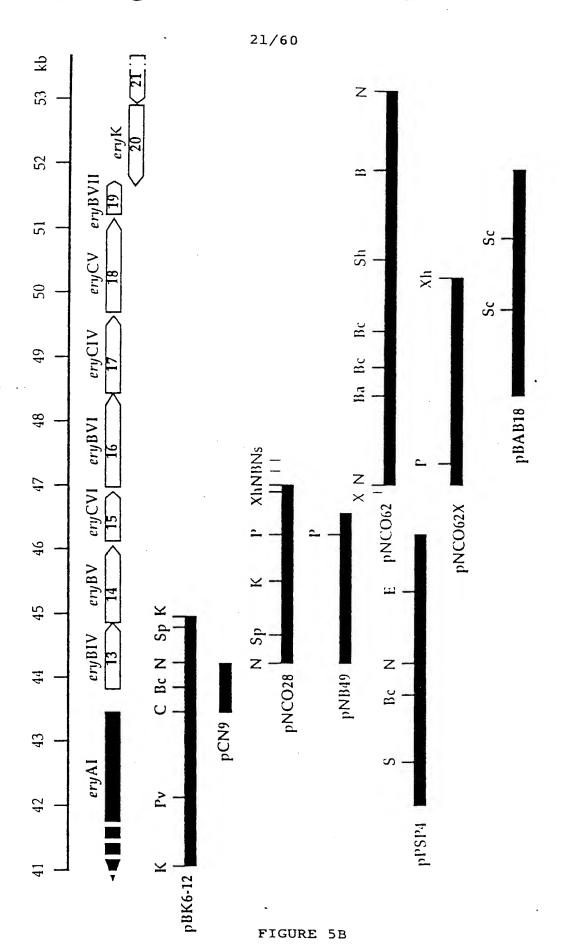
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A M G L T S L D A F A E T R V H N R L 49250  AACCACGCGCTCTACTCCGACGAGCTCCGCGACGTGCGCGCATATCCGTGCACGCGTTC N H A L Y S D E L R D V R G I S V H A F 49310  GATCCTGGCGAGCAGACAACTACCAGTACGTGATCATCTCGGTGGACTCGCGCACC D P G E Q N N Y Q Y V I I S V D S A A T 49370  GGCATCGACCGCGACCAGTTGCAGGCGATCCTGCGAGGGGGAAGCTTGTGGCACAACCC G I D R D Q L Q A I L R A E K V V A Q P 49430  TACTTCTCCCCCGGGTGCCACCAGATGCAGCCGACCGAGCAGCAGCAGCAGCAGCAGCAGCAGCAG										492	10					4	923(	C		
### 49250 ### 49270 ### 49290  AACCACGCGCTCTACTCCGACGAGGTCCGCGACGTGCGCGGCATATCCGTGCACGCGTTC N H A L Y S D E L R D V R G I S V H A F 49310 #9330 #9330 #9350  GATCCTGGCGAGCAGAACAACTACCAGTACGTGATCATCTCGGTGGACTCCGCGGCCACC D P G E Q N N Y Q Y V I I S V D S A A T 49370 #9410  GGCATCGACCGCGACCAGTTGCAGGCGATCCTGCGAGGGGAGAAGGTTGTGGCACAACCC G I D R D Q L Q A I L R A E K V V A Q P 49430 #9450 #9470  TACTTCTCCCCCGGGTGCCACCAGATGCAGCCGTACCGGACCGAGCCGCCGCTGCGGCTG Y F S P G C H Q M Q P Y R T E P P L R L 49490 #9510 #9530  GAGAACACCGAACAGCTCTCCGACCGGGTGCTGCGGCTGCCGCCCGC							CTC	GCT	CGA	CGC					CAG	GGT	GCAC	<u> </u>	CCG	CCTC
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Y F S P G C H Q M Q P Y R T E P P L R L 49490 49510 49530  GAGAACACCGAACAGCTCTCCGACCGGGTGCCCACCGGCCCCGCGGTGTCC E N T E Q L S D R V L A L P T G P A V S 49550 49570 49590  AGCGAGGACATCCGGCGGGTGTGCGACATCATCCGGCTCGCCGCCACCAGCGGCGAGCTG S E D I R R V C D I I R L A A T S G E L 49610 49630 49650  ATCAACGCGCAATGGGACCAGAGGACGCGCAACGGTTCGTGACGACCTGCGCCACAAGTG I N A Q W D Q R T R N G S * 49670 49690 49710  CCAGGAGGTTCGCTCCCCGATGAACACACTCGTACGGCAACCGCCCAGGAAGCGGGGGT  M N T T R T A T A Q E A G V ORF18> 49730 49750 49770  CGCCGACGCGGCGCGCGCGCGCGCGCGCGGGGGGGCGCGCGCGCGC										494	50					4	9470		_	_
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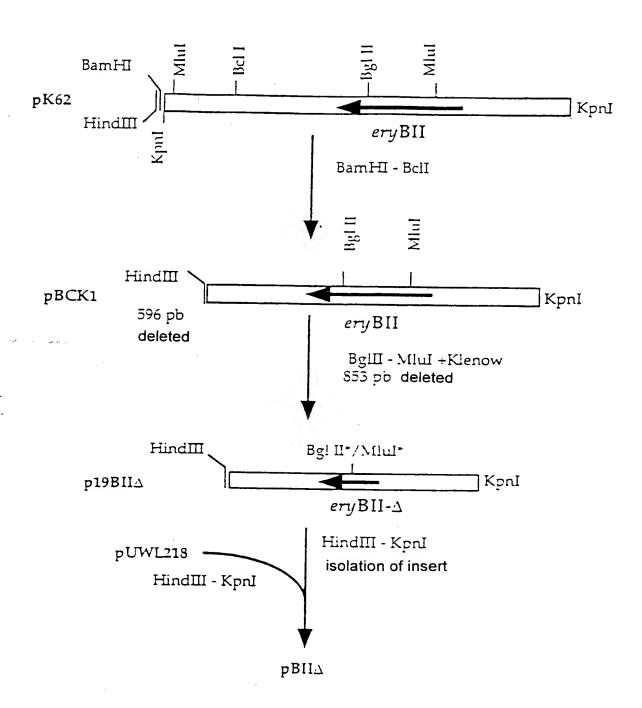
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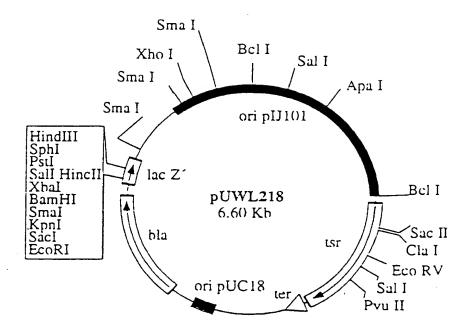
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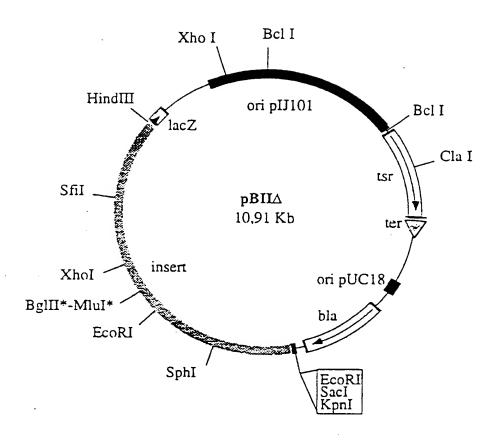


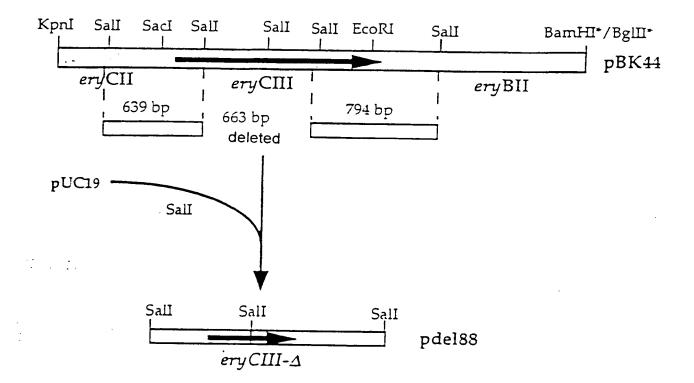




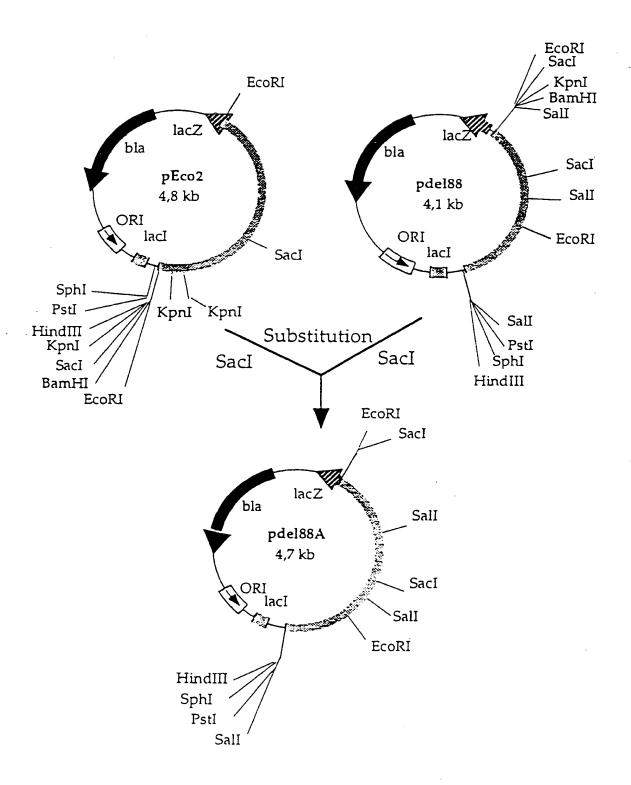








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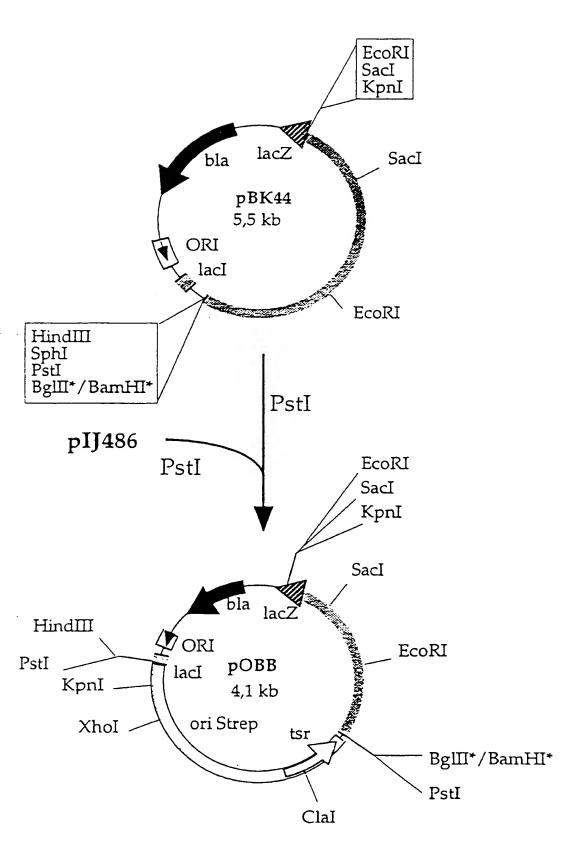
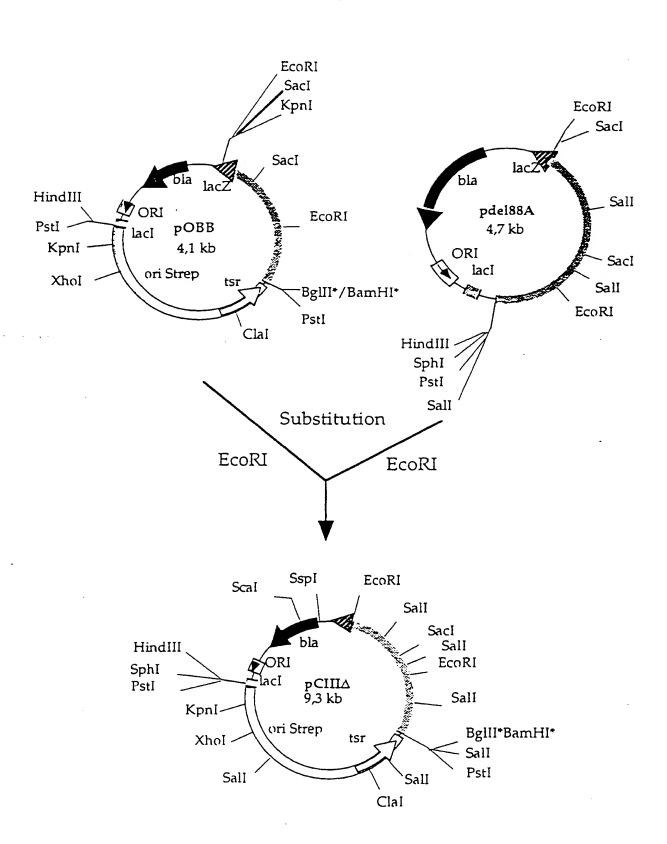
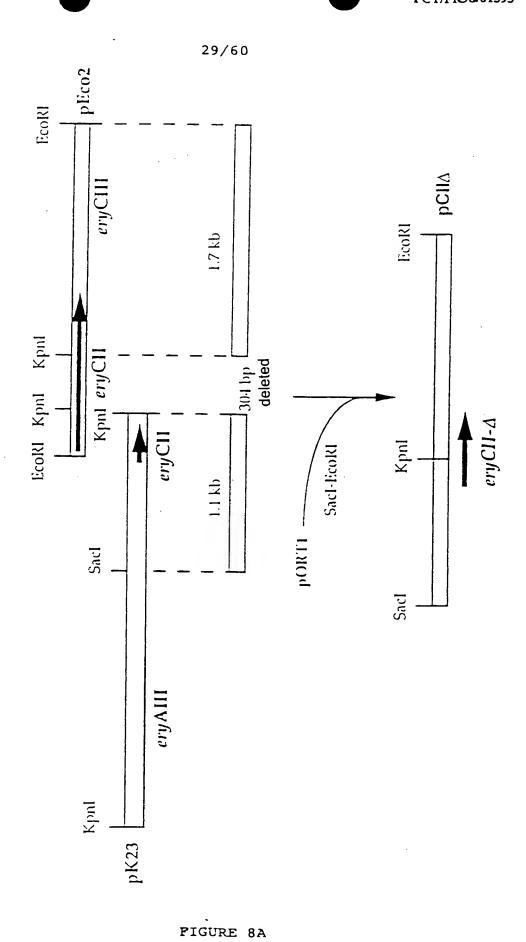


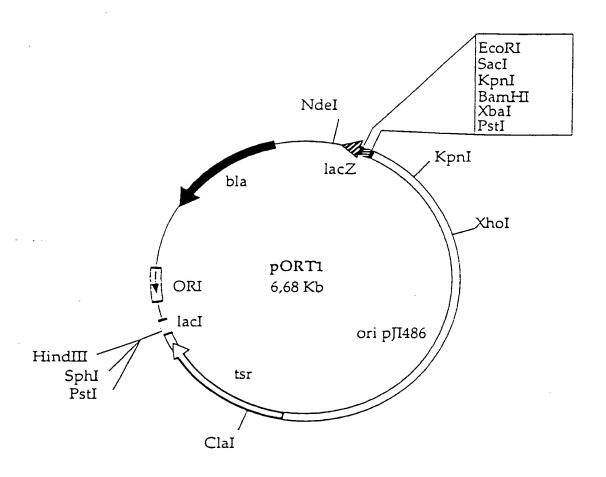
FIGURE 7C

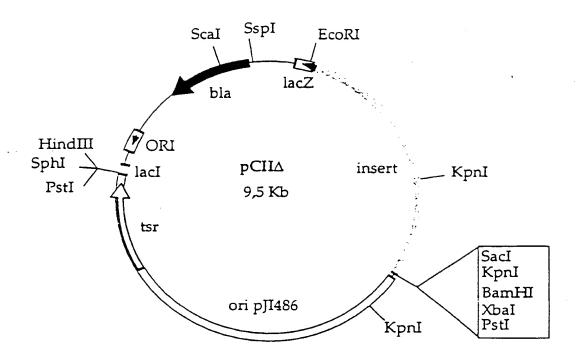


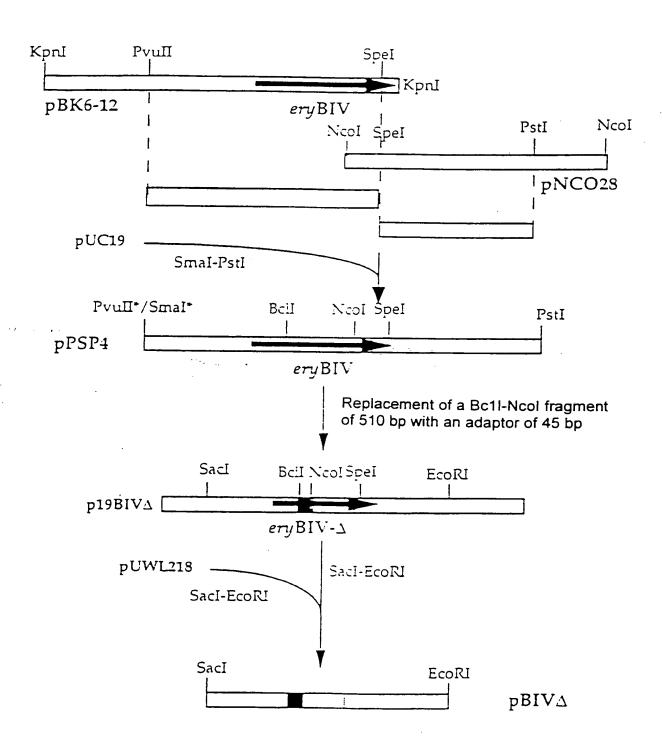


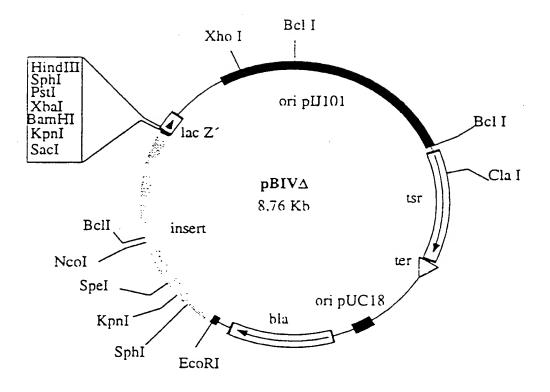
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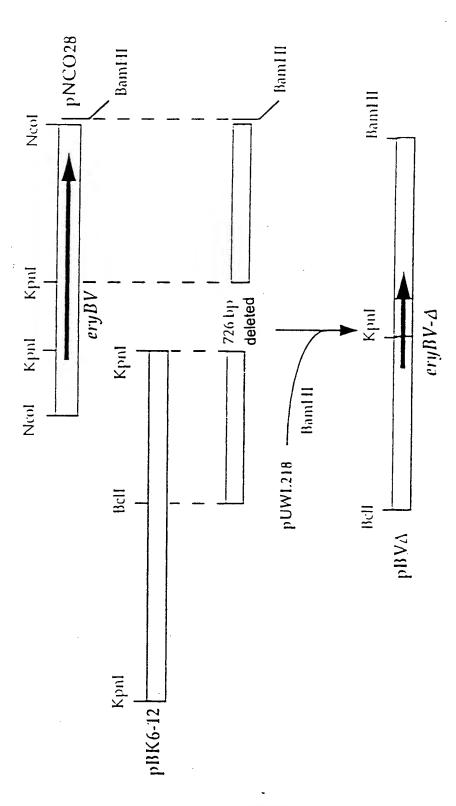
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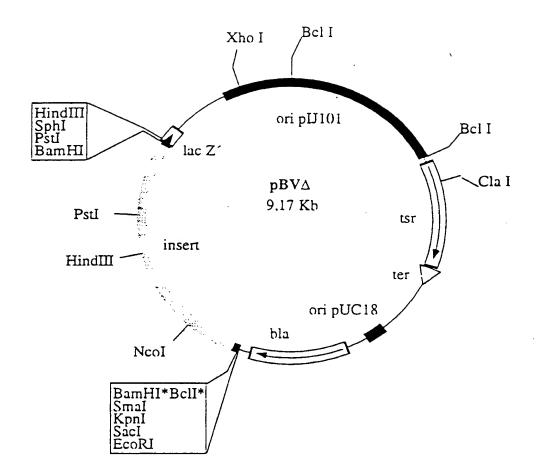




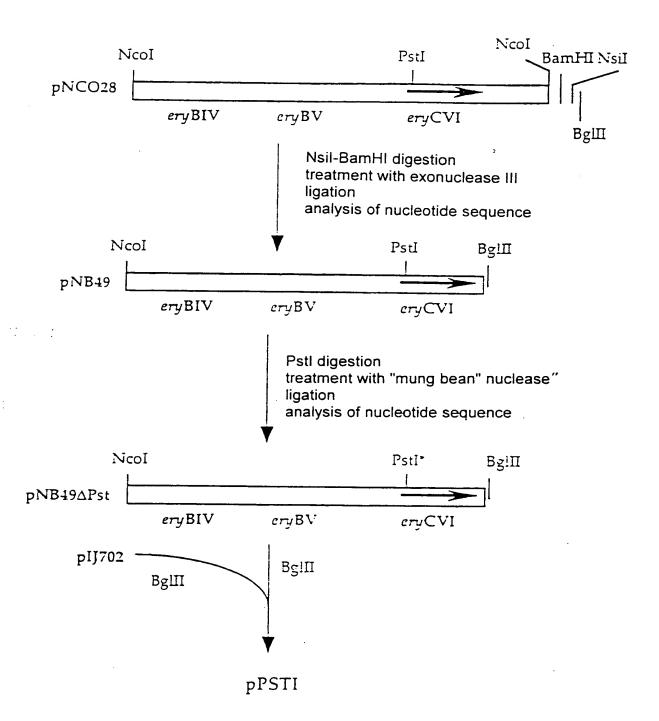


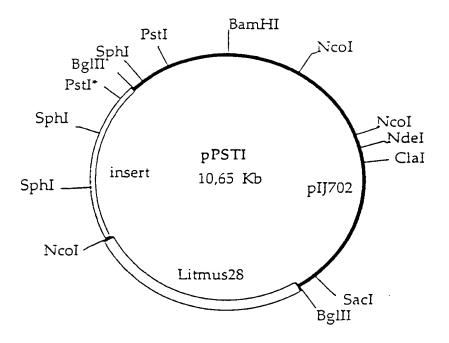


PIGURE 10A









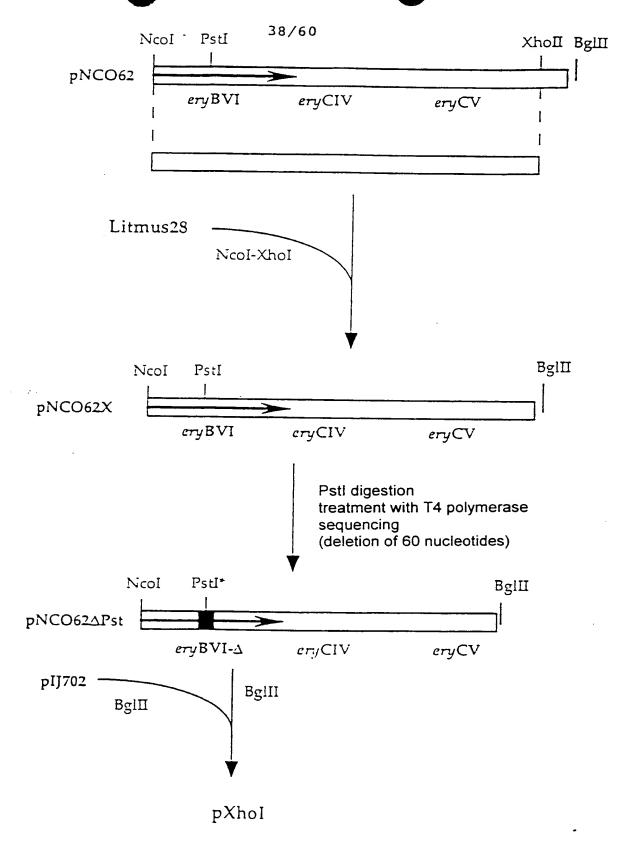
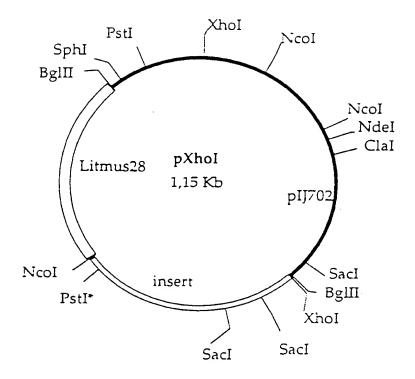
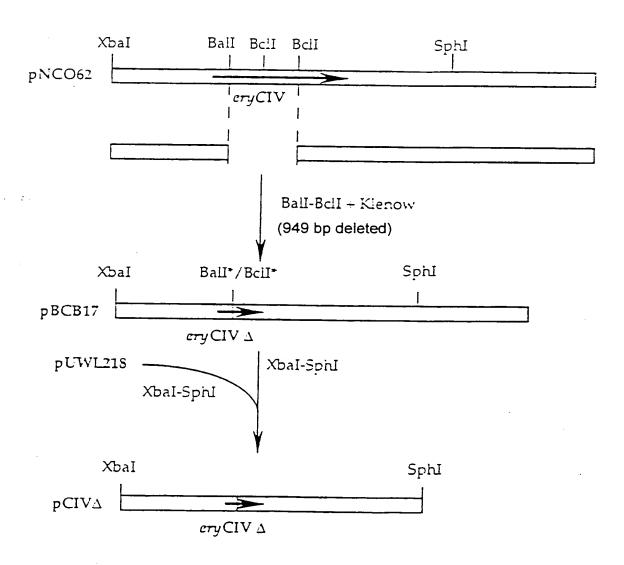
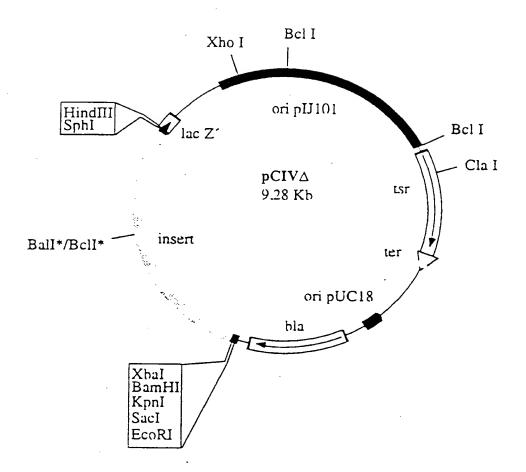


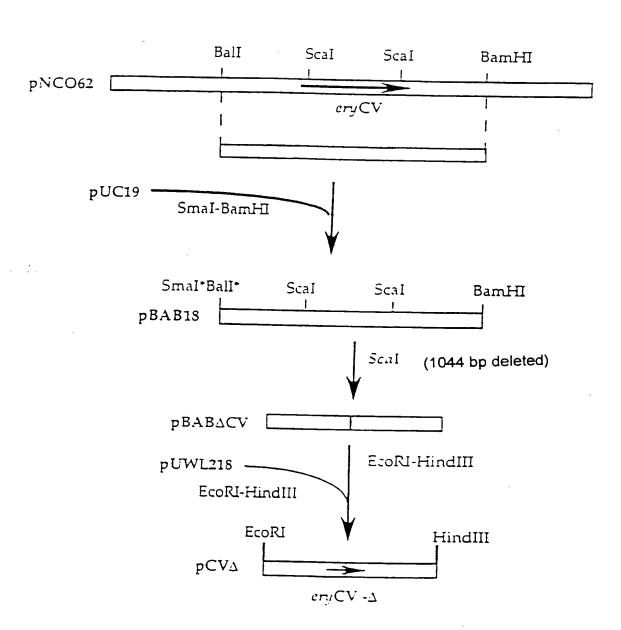
FIGURE 12A



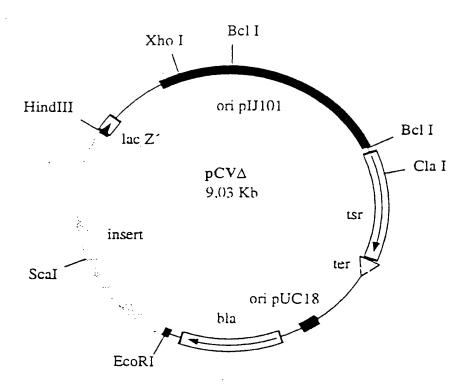


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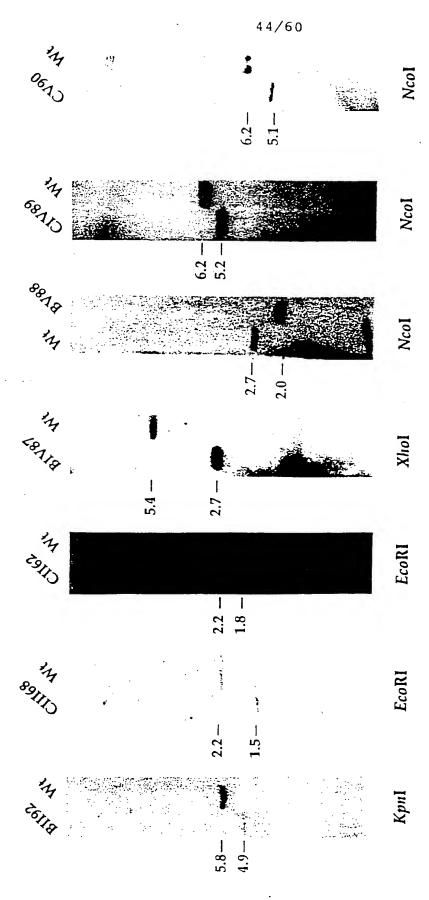


FIGURE 15

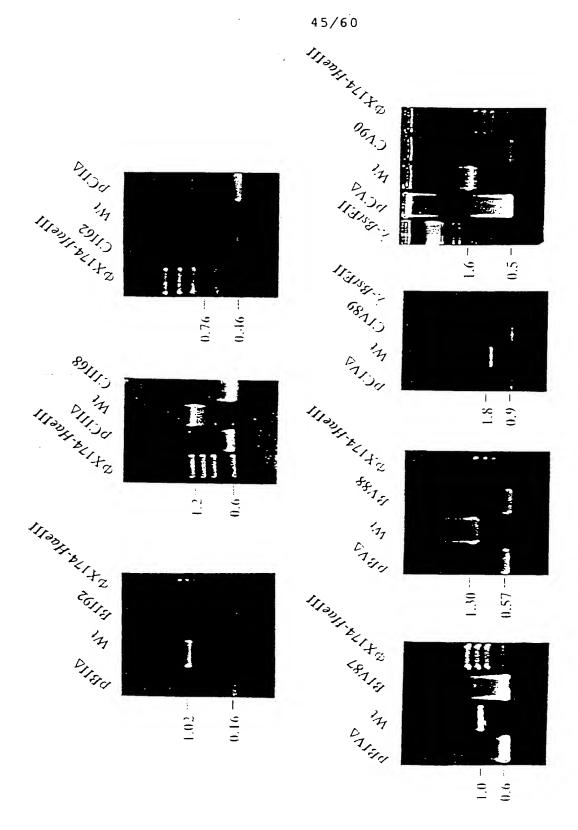
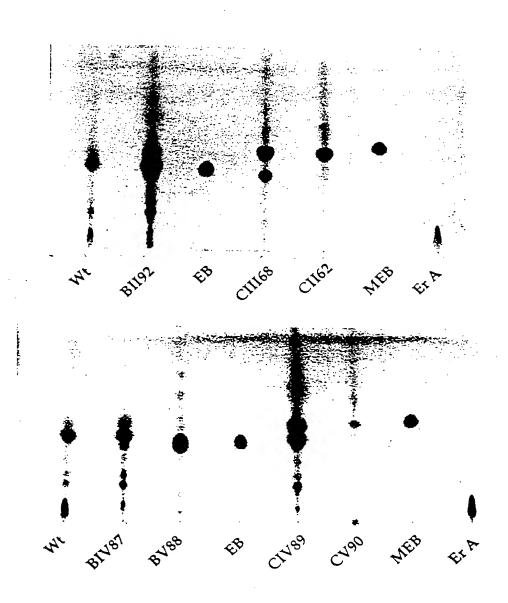
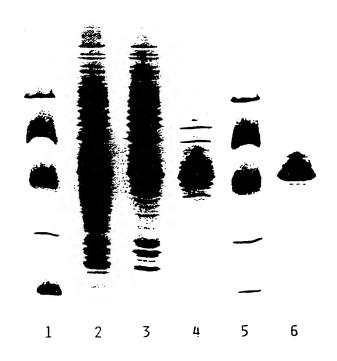
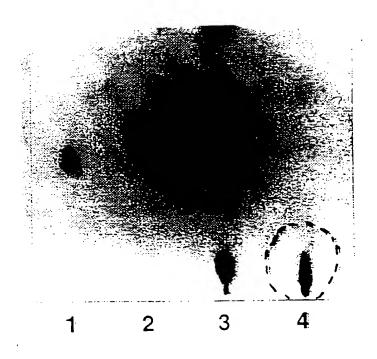
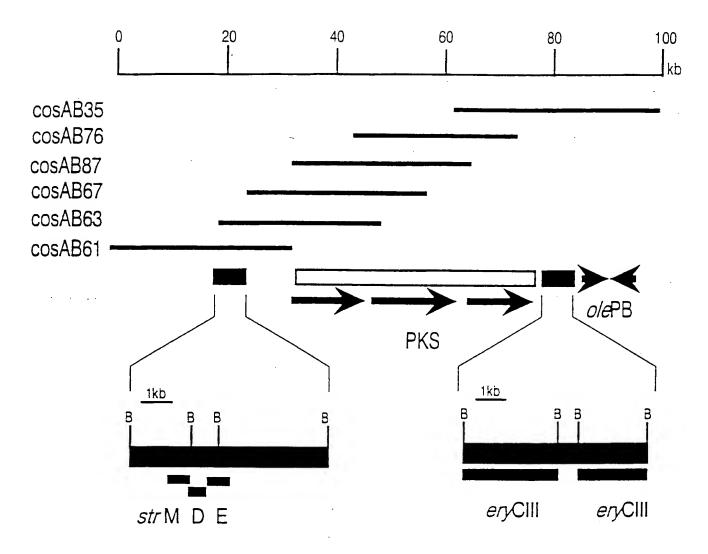


FIGURE 16









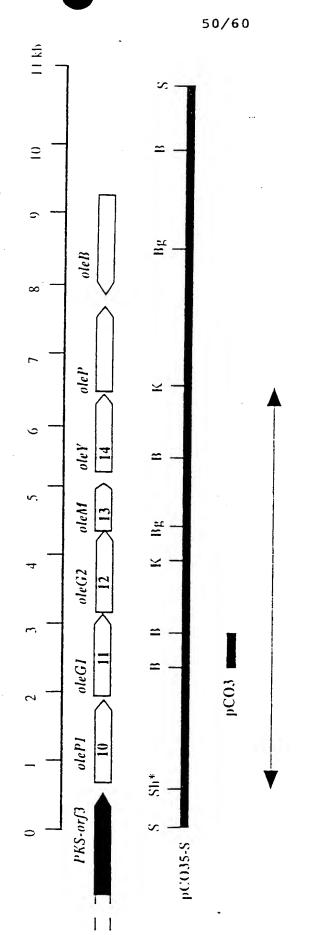


FIGURE 21





- CGGTGAAGGAGCGTGTTGCACTCATGCAGGACATGCAAGGCGTACAGCCCGAACCAGCCA GCATGCCCCGCTTTCCTCCCCCTCTCGGAACGCATCGACGACCCGGATCCCCCTCAGGGAC
- 121 GTGTCGAACACGCGGCGGACGCAGCTCGAACAGAGCGAACGCGCACGGAAGCCGCCCAG GAGATGGAGGACAGCGAACTGGGGCGCCCCCCTGCAGATGCTCCGCGGCATGCAGTGGGTC PstI ပ L
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- 720 CCGGTCGAGGTGCTGGCGCGGATCTGGGGCGTCCCGGAGGAGGACCGCGCCCGGTTCGGG ~ 661

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  - GGGCTCGTCGCGCTGACCCGGGCCTGGCGCCCGACCTCATCCTGTGGGAGCACTTCAGC 3061
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4860 GCGCACCGCCCGATCACCCTGCTCAACGCCGTTCACACGGATCACCGGACCACGCGAAGG 4800 ACCTTTCACATGTCGTACGACGACGCGGTGCTGGAAGCGATACTGCGGTGCGCCGGA 4801

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FIGURE 22

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